

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph [0008] beginning at page 2, line 26, with the following rewritten paragraph:

--Also attempts to enhance ion exchange membrane properties have been attempted in the past by adding an additional component. U.S. Pat. No. 5,547,911 to Grot relates to a method to apply a layer of catalytically active particles to the surface of a membrane. U.S. Pat. No. 4,568,441 relates to the application of non-conductive inorganic particle to the surface of a membrane to improve [[it's]] gas release properties. Neither of these [[teach]] teaches that the dispersion of an additive within the membrane results in higher performance.--

Please replace the paragraph [0042] beginning at page 7 line 10, with the following rewritten paragraph:

--Such porous polymer films or sheets will preferably have a porosity of greater than 35%. More preferably, the porosity should be between 40-95% preferably 70%. The thickness of the film is preferably less than 2 mil (0.05 mm, 50 micrometers). Preferably the thickness is between 0.06 mils (1.5 [[m]] micrometers) and 1.6 mils, and most preferably the thickness is between 0.50 mils (0.013 mm) and 1.50 mils (0.038 mm).--